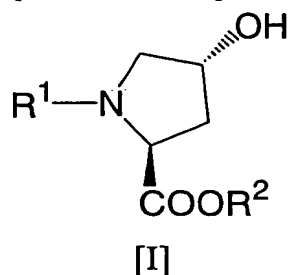


## CLAIMS

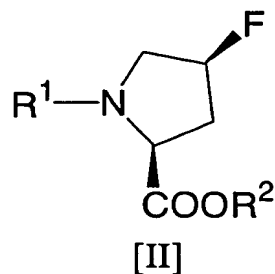
[1] A method for producing a cis-4-fluoro-L-proline derivative of Formula [II], which comprises reacting a  
 5 trans-4-hydroxy-L-proline derivative of Formula [I]:

[Formula 1]



(wherein R¹ represents a protecting group for an α-amino group, and R² represents a protecting group for a carboxyl group) with N,N-diethyl-N-(1,1,2,3,3,3-hexafluoropropyl)amine in the presence of a hydrogen  
 10 fluoride-scavenger to obtain the cis-4-fluoro-L-proline derivative of Formula [II]:

[Formula 2]



(wherein R¹ and R² are as defined above).

15 [2] The method according to claim 1, wherein the protecting group for an α-amino group is an aromatic urethane-type protecting group, an aliphatic urethane-type protecting group, a cycloalkylurethane-type protecting

group, an acyl-type protecting group, a sulfonyl-type protecting group or an alkyl-type protecting group, and the protecting group for a carboxyl group is a C<sub>1</sub>-C<sub>4</sub> alkyl group which may be substituted with a halogen atom(s), or a

5 benzyl, allyl, phenacyl or benzhydryl group which may be substituted with a substituent(s) selected from the group consisting of C<sub>1</sub>-C<sub>4</sub> alkoxy groups, C<sub>1</sub>-C<sub>4</sub> alkyl groups, nitro groups and halogen atoms.

[3] The method according to claim 1, wherein the  
10 protecting group for an  $\alpha$ -amino group is a benzyloxycarbonyl group, a tert-butoxycarbonyl group, a 4-methoxybenzyloxycarbonyl group, a 9-fluorenylmethyloxycarbonyl group, an allyloxycarbonyl group, a formyl group, an acetyl group, a phthaloyl group or a  
15 trityl group, and the protecting group for a carboxyl group is a methyl group, an ethyl group, a tert-butyl group, a benzyl group, a 4-methoxybenzyl group, a 4-nitrobenzyl group, an allyl group, a phenacyl group, a trichloroethyl group or a benzhydryl group.

20 [4] The method according to any one of claims 1 to 3, wherein the hydrogen fluoride-scavenger is an alkali metal salt of fluorine.

[5] The method according to claim 4, wherein the hydrogen fluoride-scavenger is sodium fluoride.

25 [6] The method according to any one of claims 1 to 5, wherein the reaction solvent is an inert solvent.

[7] The method according to claim 6, wherein the reaction solvent is dichloromethane.